

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S66	8377	137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571- 576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/11 15:54
S67	2684	141/285-286.ccls. or 141/37.ccls. or 141/44-47. ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/11 15:54
S68	514	261/127.ccls. or 261/131. ccls. or 261/146-147.ccls. or 261/150.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/11 15:54
S69	2687	261/19-22.ccls. or 261/23.1.ccls. or 261/40. ccls. or 261/42.ccls. or 261/62-63.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/11 15:54
S70	7483	261/64.1.ccls. or 261/65. ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108- 109.ccls. or 261/113.ccls. or 261/114.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/11 15:54
S72	2607	(118/723e.ccls. or 118/723er.ccls. or 156/345.43-345.47.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/11 15:54
S73	12008	118/715.ccls. or 118/728. ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/11 15:54

S74	8377	137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571- 576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/11 15:54
S75	2684	141/285-286.ccls. or 141/37.ccls. or 141/44-47. ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/11 15:54
S79	33060	(118/715.ccls. or 118/728. ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571- 576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285- 286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54. ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131. ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40. ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65. ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108- 109.ccls. or 261/113.ccls. or 261/114.1.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/11 15:54
S80	2	("20020192369").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/08/24 10:38

S81	4	zervigon.xp. and bypass	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/24 10:41
S82	16	("20020123221"   "4263091"   "4640221"   "4761269"   "5620524"   "5690743"   "5730804"   "5804259"   "5849089"   "6007330"   "6132515"   "6178925"   "6179925"   "6258735"   "6435229"   "6454860").PN. OR ("7011710").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/24 10:42
S83	406	ASADA-HIROSHIGE.in. or KANAMORI- TAKASHI.in. or TAGUCHI-SHINYA.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/24 11:27
S84	0	S83 and (3-way or three- way or (three adj1 way))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/24 11:28
S85	2	S83 and valve	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/24 11:28
S86	472	(US-20020123221-\$).did. or (US-4263091-\$ or US- 5451260-\$ or US- 5470390-\$ or US- 5567267-\$ or US- 5620524-\$ or US- 5674563-\$ or US- 5690743-\$ or US- 5849089-\$ or US- 5866795-\$ or US- 6056823-\$ or US- 6136725-\$ or US- 6178925-\$ or US- 6179925-\$ or US- 6235112-\$ or US- 6382256-\$ or US- 6435229-\$ or US- 6454860-\$).did. or (JP- 03183779-\$).did. or (KR- 2001109925-\$).did. or (US-20020192369-\$ or US-20030159653-\$).did. or (US-6761796-\$ or US- 4461783-\$ or US-	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/24 12:09

5395482-\$ or US-  
4263091-\$ or US-  
4223811-\$ or US-  
5316579-\$ or US-  
5254210-\$ or US-  
6200387-\$ or US-  
4082057-\$ or US-  
4689094-\$ or US-  
4036170-\$ or US-  
5200388-\$ or US-  
4761269-\$ or US-  
6863021-\$ or US-  
6225745-\$ or US-  
4989637-\$ or US-  
5765585-\$ or US-  
5567267-\$).did. or (JP-  
04361524-\$).did. or (US-  
20020069825-\$ or US-  
20020094380-\$).did. or  
(US-4055196-\$ or US-  
4180985-\$ or US-  
4551197-\$ or US-  
4690208-\$ or US-  
5188672-\$ or US-  
5567267-\$ or US-  
6086711-\$ or US-  
6099649-\$ or US-  
6159298-\$ or US-  
6238514-\$ or US-  
6328801-\$).did. or (JP-  
02237621-\$).did. or (BE-  
864948-\$ or DE-4013191-  
\$).did. or (US-  
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20030094134-\$).did. or  
(US-5288325-\$ or US-  
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5891350-\$ or US-  
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6299722-\$ or US-  
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4816113-\$ or US-  
6605134-\$ or US-  
5879139-\$ or US-  
5607511-\$ or US-  
5575853-\$ or US-  
5298452-\$ or US-

		5200388-\$ or US-4874634-\$).did. or (US-5460654-\$ or US-4791005-\$ or US-6503330-\$).did. or (WO-2004020692-\$).did. or (JP-2004095701-\$).did. or (JP-2004095701-\$).did.				
S87	316	TOMINAGA-KOJI.in. or YASUDA-TETSUJI.in. or NABATAME-TOSHIHIDE.in. or IWAMOTO-KUNIIHIKO.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/24 12:52
S88	1	S87 and (3-way or three-way or (three adj1 way))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/24 12:53
S89	12	(US-20020192369-\$ or US-20020123221-\$ or US-20050249876-\$ or US-20040112540-\$ or US-20030159653-\$).did. or (US-7011710-\$ or US-4263091-\$ or US-6941965-\$ or US-6860138-\$ or US-6829056-\$ or US-6187091-\$ or US-6143659-\$).did.	US-PGPUB; USPAT	OR	ON	2010/08/24 14:08
S90	3	("7011710").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/08/24 14:11
S91	1566	(wafer or substrate) and (bypass) and (3-way or three-way or (three adj1 way))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/24 14:16
S92	524	(wafer or substrate) and (bypass) and ((3-way or three-way or (three adj1 way)) adj1 valve)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/24 14:16
S93	247	S92 and carrier	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/24 14:18



S94	277	S92 not S93	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/24 14:43
S95	2	("6645302").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/08/24 15:18
S96	7	("5653807"   "5714194"   "5888579"   "6110283"). PN. OR ("6645302"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/24 15:54
S97	13	("4792463"   "5198269"   "5271955"   "5316579"). PN. OR ("5714194"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/24 15:56
S98	86	("20010006705"   "20030070619"   "20040112540"   "20040123805"   "20050160983"   "4500408"   "4640221"   "4747367"   "4761269"   "4958658"   "5097890"   "5137701"   "5158534"   "5182704"   "5281274"   "5307568"   "5314541"   "5336356"   "5385624"   "5423936"   "5453124"   "5460654"   "5494522"   "5496408"   "5500256"   "5529657"   "5531834"   "5547539"   "5571366"   "5698070"   "5702562"   "5714194"   "5769950"   "5792261"   "5816285"   "5837093"   "5851842"   "5878191"   "5888413"   "5888907"   "5902403"   "5919332"   "5951772"   "5958140"   "5980686"   "5980687"   "6093662"   "6132552"   "6149729"   "6162323"   "6170428"   "6176667"   "6178995"   "6187091"   "6194038"   "6200387"   "6200911"   "6207007"   "6210482"   "6273954"   "6287980"   "6299722"   "6315858"   "6333272"   "6360762"   "6422264"   "6432259"	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/24 15:59

		"6447651"   "6453992"   "6482266"   "6508913"   "6581623"   "6645302"   "6676760"   "6716302"   "6752547"   "6776874"   "6797639"   "6800139"   "6808758"   "6812157"   "6829056"   "6869499"   "6913652"   "6941965"   "6955198").PN. OR ("7563328").URPN.				
S99	2	("5769950").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/08/24 16:02
S100	95	("3930908"   "4058430"   "4183780"   "4433951"   "4435445"   "4461783"   "4488506"   "4503807"   "4522674"   "4525376"   "4558660"   "4569855"   "4624736"   "4625678"   "4640221"   "4645687"   "4657617"   "4659401"   "4668337"   "4687544"   "4716852"   "4726963"   "4761269"   "4772485"). PN. OR ("5769950"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/24 16:08
S101	92	("20010045187"   "20020007790"   "4798809"   "4980204"   "5002793"   "5091207"   "5250323"   "5616208"   "5637153"   "5653807"   "5769950"   "5849092"   "5853936"   "5993555"   "6004618"   "6042652"   "6197683"   "6328043"). PN. OR ("6579372"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/24 16:34

S102	29	("3473978"   "3888705"   "4146657"   "4239811"   "4357179"   "4402762"   "4421592"   "4448801"   "4459163"   "4462847"   "4504518"   "4522663"   "4532199"   "4554180"   "4615905"   "4624736"   "4624906"   "4637938"   "4645689"   "4652463"   "4657777"   "4689093"   "Re31708").PN. OR ("4798809").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/24 16:50
S103	932	(carrier adj1 gas) and ((3-way or three-way or (three adj1 way)) adj1 valve)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/24 16:55
S104	699	S103 and (chamber or reactor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/24 16:55
S105	26	("4081313"   "4533410"   "4588451"   "4632711"   "4664743"   "4716130"   "4729968"   "4767494").PN. OR ("4885260").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/24 17:56
S106	374	S104 and (wafer or substrate)	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/24 18:19
S107	3	("4190470"   "5036022"   "5168077").PN. OR ("5824151").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/24 18:25
S108	2	("20090041929").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/08/24 19:49
S109	8	S103 and CVD not S106	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/24 21:04
S110	14	("4378259"   "4400409"   "4411728"   "4640720"   "4659401"   "4902643"   "4948752"   "4962051"   "4963508").PN. OR ("5180684").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/24 21:07

S111	27	(US-20020192369-\$ or US-20020123221-\$ or US-20050249876-\$ or US-20040112540-\$ or US-20030159653-\$ or US-20020007790-\$ or US-20010045187-\$ or US-20080026148-\$).did. or (US-7011710-\$ or US-4263091-\$ or US-6941965-\$ or US-6860138-\$ or US-6829056-\$ or US-6187091-\$ or US-6143659-\$ or US-6645302-\$ or US-7666479-\$ or US-5714194-\$ or US-5769950-\$ or US-6579372-\$ or US-7775236-\$ or US-6796316-\$ or US-4798809-\$ or US-4885258-\$ or US-4885260-\$ or US-5824151-\$ or US-5180684-\$).did.	US-PGPUB; USPAT	OR	ON	2010/08/25 10:49
S112	14	S111 and pumps	US-PGPUB; USPAT	OR	ON	2010/08/25 11:05
S113	3762	CVD and (sources with "pumps")	US-PGPUB; USPAT	OR	ON	2010/08/25 11:21
S114	129	CVD.ti. and (sources with "pumps")	US-PGPUB; USPAT	OR	ON	2010/08/25 11:21
S115	4	CVD.ti. and (sources with "pumps")	US-PGPUB; USPAT	OR	OFF	2010/08/25 11:22
S116	151	CVD and (sources with "pumps")	US-PGPUB; USPAT	OR	OFF	2010/08/25 11:22
S117	2	CVD and (sources with (second adj1 pump))	US-PGPUB; USPAT	OR	OFF	2010/08/25 11:22
S118	3	CVD.ti. and (second adj1 pump)	US-PGPUB; USPAT	OR	OFF	2010/08/25 11:23
S119	235	CVD and (second adj1 pump)	US-PGPUB; USPAT	OR	OFF	2010/08/25 11:23
S120	100	S119 and (sources)	US-PGPUB; USPAT	OR	OFF	2010/08/25 11:24
S121	235	CVD and (second adj1 pump)	US-PGPUB; USPAT	OR	OFF	2010/08/25 11:30
S122	100	S121 and (sources)	US-PGPUB; USPAT	OR	OFF	2010/08/25 11:30

S123	2	("20020122885").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/08/25 11:53
S124	30	(US-20020192369-\$ or US-20020123221-\$ or US- 20050249876-\$ or US- 20040112540-\$ or US- 20030159653-\$ or US- 20020007790-\$ or US- 20010045187-\$ or US- 20080026148-\$ or US- 20050016956-\$ or US- 20020122885-\$.did. or (US-7011710-\$ or US- 4263091-\$ or US- 6941965-\$ or US- 6860138-\$ or US- 6829056-\$ or US- 6187091-\$ or US- 6143659-\$ or US- 6645302-\$ or US- 7666479-\$ or US- 5714194-\$ or US- 5769950-\$ or US- 6579372-\$ or US- 7775236-\$ or US- 6796316-\$ or US- 4798809-\$ or US- 4885258-\$ or US- 4885260-\$ or US- 5824151-\$ or US- 5180684-\$ or US- 6852167-\$.did.	US-PGPUB; USPAT	OR	ON	2011/02/02 15:49
S125	30	(US-20020192369-\$ or US-20020123221-\$ or US- 20050249876-\$ or US- 20040112540-\$ or US- 20030159653-\$ or US- 20020007790-\$ or US- 20010045187-\$ or US- 20080026148-\$ or US- 20050016956-\$ or US- 20020122885-\$.did. or (US-7011710-\$ or US- 4263091-\$ or US- 6941965-\$ or US- 6860138-\$ or US- 6829056-\$ or US- 6187091-\$ or US- 6143659-\$ or US- 6645302-\$ or US- 7666479-\$ or US- 5714194-\$ or US-	US-PGPUB; USPAT	OR	ON	2011/08/04 15:54

		5769950-\$ or US-6579372-\$ or US-7775236-\$ or US-6796316-\$ or US-4798809-\$ or US-4885258-\$ or US-4885260-\$ or US-5824151-\$ or US-5180684-\$ or US-6852167-\$).did.				
S126	30	(US-20020192369-\$ or US-20020123221-\$ or US-20050249876-\$ or US-20040112540-\$ or US-20030159653-\$ or US-20020007790-\$ or US-20010045187-\$ or US-20080026148-\$ or US-20050016956-\$ or US-20020122885-\$).did. or (US-7011710-\$ or US-4263091-\$ or US-6941965-\$ or US-6860138-\$ or US-6829056-\$ or US-6187091-\$ or US-6143659-\$ or US-6645302-\$ or US-7666479-\$ or US-5714194-\$ or US-5769950-\$ or US-6579372-\$ or US-7775236-\$ or US-6796316-\$ or US-4798809-\$ or US-4885258-\$ or US-4885260-\$ or US-5824151-\$ or US-5180684-\$ or US-6852167-\$).did.	US-PGPUB; USPAT	OR	ON	2011/11/04 15:05
S127	55	Kawahara-Takaaki.in. and (chamber or reactor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/04 15:29
S128	2	("20020000195").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/04 19:49

11/4/11 11:08:40 PM

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